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ALL SURFACE COATING (AUST) Pty Ltd

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THE SYSTEMS THAT REALLY WORK

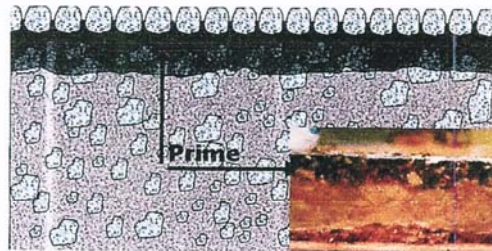
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## EC-30™

Environmentally and Economically Superior Alternative to Prime Coats

**Description:** Environmental alternative to Prime Coats

EC-30™ is designed to penetrate 12 mm to 25mm into the base and sub-base of stabilized limestone, gravel, caliche bases. Traditionally known as cutback asphalts, prime coats (aka primes), have been known to most effectively cure sub-base and base materials, while at the same time been scrutinized for its *un-environmental* application methods.



EC-30™ was designed to perform the below functions:

- Bond the HMA layer to the base
- Penetrates deeper than conventional emulsified asphalts, 12mm to 25mm of base
- Cures and evaporates faster than traditional cut backs. Does not contain hydrocarbons. Can lay HMA faster.
- Does not require blotter sand to absorb excess material, Dries in 2 to 3 hours.
- EC-30 does not require heat to maintain in applicable conditions, reducing energy costs and liability issues regarding transporting heated trucks, or heated tanks in location.
- Dust Control
- Does not contain hydrocarbon related VOC's. Substantially reduced EPA concerns on air and water contamination (See MSDS).
- Reduced environmental and human liability when applying / inhaling / handling cutbacks materials.

Preliminary investigations have led to positive results with all requirements for the products applications; however, further investigation is needed to create a workable platform for contractor traffic after 72 hours application. Current tests indicate a degrading performance if EC-30 is applied if contractor traffic is opened immediately after application.





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**Technical Data:**

- Boiling Point ( °C): 100° C
- Specific Gravity ( H2O = 1): 1.02
- Vapor Pressure: 17.535 ( Gauge)
- Percent Volatile: 0
- Solubility In Water: Miscible
- Appearance and Odor: Brown Liquid, Odorless
- Flammability: Non – Flammable in both Water Based and Dry State

**Guidelines for Use & Application:**

Depending upon the openness of the surface to be treated and under preliminary investigation, it was concluded that desirable results were found after an application rate of 0.5 to 1 liter per square meter. Like traditional tack coats and curing membranes, the EC-30™ should be applied with well-calibrated distributors. Spray bar and distributor nozzles should be sized and set to deliver to the desire shot rate. Air and pavement temperatures should be sufficiently high to allow the emulsion to fully cure, and there should be no imminent threat of rain.

**Storage and Handling:**

EC-30 is a water based suspension, and should not be exposed to freezing temperatures below 5°C or overheating over 50°C.

Recommended Temperatures	Min	Max
Storage	5°C	60°C
Application	5°C	60°C

The emulsion is chemically stabilized, so care should be taken not to upset the chemicals balance with contamination by chemicals, over-exposure to air, or adverse mechanical or thermal conditions. Before being filled, tanks and trucks should be examined for possible contaminants. Tanks may be circulated top to bottom with a pump, but over-pumping is to be avoided. Recommended use and storage temperatures are given in the table.

**Precautions:**

**DO NOT DILUTE WITH ADDITIONAL WATER.** Do not apply when temperatures are below 5°C (keep from freezing). Do not mix or dilute with other compounds that contain solvents such as mineral spirits, or fluids that might contain petroleum distillates. This product is not recommended to be used in areas where other treatments are to be used including hardeners. Follow instruction of MSDS for Health and Safety Instructions.

**EC-30™ is Patent Pending**

